BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. **1000000.00**

of Work: Providing Drinking Water by Sinking of Borewell and Pipelines in Ward No. 10 labommasandra).

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
ophysical investigation of site for sinking rewell for supplying drinking water to the bitation either through the Hand pump, MWS P.W.S.S by vertical electrical sounding by opting Venner or Schlumberger's method, cluding reconnaissance survey of geological rmation, Gerophysical investigation of existing round Wate in the vicinity, its qualityf 1.0 eter in consolidated formation for proper ating of casing pipe, depth of drilling required cover full depth of aquifer proposed to be pped, probable yield and other information quired including transportation of instrument d accessories to work site., engaging chinical personal and labour required etc., as r Specification and direction **(P.48, I. 9.4) RED.SR 2012-13**	Each BW							
		1				1		
						1	1938.46	**1938.00**
nking borewell of 165 mm dia clear using per fast hydraulic rig of capacity 250 PSIG & ove CFM & above in all strats including over rden upto 20 mts fixing of casing pipes, llars and cap with necessary cutting, roading and welding including transportation f rig and supporing vehicles, crew charges and st of consumables etc., complete including eld testing at the final depth with a minimum orking of compressor for one hour (excluding at of casing pipes, collars, cap etc.,) **P. 46 / I. .1 PRED SR 2012-13**	Rmtr							
to 50 m		1	50.00			**50.00**	315.18	**15759.00**
0 to 100 m		1	50.00			**50.00**	412.00	**20600.00**
00 to 150 m		1	50.00			**50.00**	458.35	**22918.00**
50 to 200 m		1	50.00			**50.00**	484.10	**24205.00**
00 to 250 m		1	50.00			**50.00**	560.32	**28016.00**
50 to 300 m		1	50.00			**50.00**	600.49	**30025.00**
upply of ISI mark 175 mm nominal bore, Plain nd steel casing pipe - grade of Steel Fee 410 f wall thickness 5.4mm thick confirming to IS 270:2001 and latest amendments, electric esistance welded steel tube material and onfirming to IS 1387/1993 and manufactured y baseic open hearth electric or basic oxygen rocess in random length of 5 to 7 mts both nds threaded confirming tio IS 554/1985, one nd fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr Inclusive of all taxes and durties) Prices include Collar-medium duty **P. iii, I No. 84 PRED SR 2012-13**	Rmtr							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
		1	70.00			**70.00**	1325.00	**92750.00**
le N_ 3008 Providing 250mm dia PVC Pipe g/cm **Page No. XXXV, Sl No. 892 PWD SR 8-19**	Rmtr							
		1	18.00			**18.00**	2203.39	**39661.00**
viding and fixing Borewell Cap and Clamp **Page No. XLVII, Sl No. 17 PWD SR 2018-**	Set							
		1				**1**	1800.00	**1800.00**
pply and delivery at site brand New texmo/ oval/ Lubi/ Sabar / Atalanta/ Calamal/ make table for vertical installation in 150mm dia e well comprising of single stage or ltistage CF pump close coupled by measns stainless steel coupling to suitable HP table speed totally enclosed and filled with re drinking water (Wet type) squirrel cage bmersible induction motor suitable for ertation of 3PH., 50 Hz, 380/440 volts AC pply fitted with required aqccessories such suction, casing suction strainers sand guard n return value etc. complete . The pump d motor shall form an integral unit with all the quired fittings 12.50 HP 25 stage. TALANTA< SUGNA< CRI, KIRLOSKAR and her Equivalent Pumps **PWD SR 2018-19 P. LI Item No. 35 including of all taxes**	No							
2.5 HP 25 Stage		1				**1**	56414.00	**56414.00**
roviding GI Pipe 50 mm 'B' Class **Page No. LVII, Sl No. 1 PWD SR 2018-19**	m							
		1	260.00			**260.00**	415.00	**107900.00**
roviding Collar 50 mm **Page No. XLVII, Sl No. PWD SR 2018-19**	No							
		1x44				**44.00**	180.00	**7920.00**
upplying and drawing 3 core flat PVC heathed submersible pump cable anufactured with electrolytic grade copper with exible copper with low resistance conductor onfirming to table 3 class 5 of IS:8130-1984 nd virgin grade PVC insulation and powder oating extruded PVC sheathed suitable for orking voltage upto 1100Volts as per IS-94:1990 & confirming to GTP of **GROUP-A. P. lo. 12 / I No. 2.10.4(1) 3C x 4 Sqm mm KPWD Electrical SR 2014-15**	Mtr							
		1x2	270.00			**540.00**	126.70	**68418.00**
abour charges for erection as new /repaired ubmercible pumpset allong with GI pipe 32/50mm) cable (new submercible pumpset if equired will be supplied by the department free f cost and released pumpset shoud be handed ver to department including transportation Each lenth =6.00) **Page No. 558, Items No-3 BWSSB SR for 2014-15)**	Per Length							
270/6)=45.00		1	44.00			**44**	88.00	**3872.00**

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
pplying and fixing 20"x20"x2.5" polished od board made of not less than 15mm thick nk on both sides with planks made out of not re than 2 pieces and fixing the same to the l using tapered inverted wooden plugs ews etc., **P No. 44 / I No. 6.6.6 KPWD ctrical SR 2014-15**	Each							
		1				**1**	302.00	**302.00**
pplying of 1.1 KV LT UG cable having minum conductor PVC insulated, extruded er sheathed, galvanized, steel strip (except X10Sq.mm wire armoured) confirming to IS-75:1990 (No. of Strip indicated in GTP) & truded PVC outer sheathed armoured cable h specified IS-1554 Part-1:1988 & confirming GTP of GROUP-A **P No. 55/ I No. 7.4.4 4 re 16 Sqmm KPWD Electrical SR 2014-15**	Mtr							
		1	30.00			**30.00**	140.40	**4212.00**
bour charges for laying of 1.1 KV class UG ble in existing trench GI pipe / stoneware pipe on wall / on pole as required.In existing nch/duct. **P No. 61 / I No. 7.8.1 6Sqmm to Sqmm) KPWD Electrical SR 2014-15**	Mtr							
		1	30.00			**30.00**	10.80	**324.00**
gging of trench of 0.6m deep x 0.50 mtr wide filling the trench to the required ground level d consolidating etc., complete.(As per Civil R KSRB I-2, P-7) **P No. 61 / I. No. 7.9.3 PWD Electrical SR 2014-15**	Mtr							
or Cutting Road Surface		1	25.00			**25.00**	85.00	**2125.00**
upplying and fixing of class A (medium duty) l pipe of wall thickness not less than 3.25mm n pole/wall/drain crossing with necessary amping arrangements for UG cable of 1.1 KV . **No. 62 / I No. 7.12.1 KPWD Electrical SR 014-15**	Mtr							
0mm dia GI pipe		1	4.00			**4.00**	345.00	**1380.00**
upplying and fixing L.T. cast Iron pot heads uitable for 1.1 KV class UG cable filled with ecessary bitumen/insulating compound omplete with terminals, clamps, bolts, nuts and ashers etc., **P. No. 62 / I.No. 7.13.2 KPWD lectrical SR 2014-15**	No.							
6Sqmm		1				**1.00**	280.00	**280.00**
upplying, fixing, wiring, earth electrode for rounding conduits, I.C. cutouts and other quipment's on the meter board using 40mm ia 2.90mm thick GI pipe 2.5 mtr long buried in pit .... The pit should be filled with equal roportion of salt and charcoal 150mm all-round he pipe to complete depth. The connection rom the pipe to the conduit etc., is to be stablished through GI wire of size as per ISI pecification 7.3.3. of IS 732 using 12mm dia olts, nuts, washers and check nuts etc., the ipe shall have 16 through holes of 122 mm dia, **(P No. 55, I No. 7.1) KPWD Electrical SR 2014-15**	No							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
		1				1	2727.00	2727.00
pply & fixing of Porcelain fuse channel cut out on existing wooden/panel using essary nuts, bolts and washers.**P No. 44 / I 6.7.2 KPWD Electrical SR 2014-15**	No.							
Amps		1x6				6	180.00	1080.00
viding and fixing 50mm nominal bore gun tal non-return **Page No. XLVIII, Sl No. 16, D SR 2018-19**	Nos							
		1				1	1800.00	1800.00
pplying and fixing miniature circuit breakers existing MCB distribution boards using essary fixing materials and 'C' Type curve, icator ON/OFF, energy cross-3 with Short cuit breaking capacity of 10K and complete ing as required confirming to IEC 60898. **5-Amps Group A TPN P No. 47 / I No.6.16.5 WD SR 2014-15**	No							
		1				1	1547.00	**1547.00**
bricating supplying and mounting MS box ade out ... SWG suitable for floor / wall unting, fully weather proof with provision for ter heat dissipation, provided with hinged nt cover, equipped with tamper proof locking rangements, with suitable size clamps with essary cable entry pipe with gland and box ould be finished with 2 coats of red oxide mer paint and finally finished with approved lour enameled metal paint etc., complete **No. 57, I. No. 6.41.2 KPWD Electrical SR 14-15**	Sq.Cm							
SWG		1x2	120.00	60.00		14400.00		
		1	360.00	25.00		9000.00		
						23400.00	0.33	**7722.00**
roviding outdoor panel upto **15.00 HP (PWD R for 2018-19 Page No. XLVII Sl No. 12)**	No.							
		1				1	15500.00	**15500.00**
arthwork excavation for pipeline trenches cluding depoiting or bank up to a lead of 50 trs including shiriry and statting danger lighting nd using site rails and boming poles at every 00 mtrs wherever necessary as directed in th llowing structure manhole. **Page No. 01/ Item No.1.2.2 / PRED SR 2012-13 Hard Soil**	Cum							
		1	1800.00	0.60	0.60	648.00		
						648.00	188.00	**121824.00**
Providing and instalation at site of works P.V.C Pipes including cost of pipes and specials and including lowring into trenches, laying true o line, level and perfect linking at joints, leak proof including jointing encasing the pipe ainsand to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., **Page No.15 item No.3.4.2 b PRED SR 2012-13.**	Rmtr							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
75 mm dia 6 KSC PVC pipe		1	1800.00			1800.00		
						1800.00	123.00	**221400.00**
Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs **Page No. 3 / Item No. 1.6 / PRED SR 2012-13**	Cum							
			Qty. Vide Item No. 23			**648.00**	61.00	**39528.00**
Basic Rate	61.00							
Sub Total A								**943947.00**
Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete.- **for 50mm dia**: **Page No. 97, Item No. 13.81.3 PWD SR 2018-19**	Each							
50mm dia								
Basic Rate	210.00					1	222.60	**223.00**
Area Weightage @ 6%	12.60							
Total	**222.60**							
KSRB13-6.3-7 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **65mm nominal bore** including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. **P. No.94 / I. No. 13.38 PWD SR 2018-19**	Each							
		18				18	2229.18	**40125.00**
Basic Rate	2103.00							
Area Weightage @ 6%	126.18							
Total	**2229.18**							
Sub Total B								**40348.00**
GST @ 12%								**4842.00**
Sub Total								**989137.00**
BESCOM Deposit for Borewell	L/S	1	10000.00					**10000.00**
Miscellaneous and Unforeseen Charges	L/S							**863.00**
							Total	**1000000.00**

ADMINISTRATIVE APPROVAL
Accorded For Rs. Ten lakhs only
Head of A/c P-3293
Div. Ref. No. 55 Date 01/02/19
AE 01/02
EE(BTP) 01/02

TECHNICAL SANCTION
Accorded For Rs. Ten lakhs only
Head of A/c P-3293
Div. Ref. No. 85 Date 01/02/19
AE 01/02
EE(BTP) 01/02

#NAME?

CERTIFICATE:

The work spot has been inspected and the work is found necessary.
This estimate is prepared as per C.S.R. of PWD 2018-19, PWD Elecrical 2014-15, PRED 2012-13.
The provisions were made in this estimate are necessary and adequate.
This works come under B.B.M.P. limits.

Sumitha .N.R
Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer 01/02
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
01/02